

Date: Wednesday, 21/01/2009 3:23:43 PM  
 User: Julie Dawson

## Process Sheet

|   |  |
|---|--|
| <b>Customer</b> : CU-DAR001 Dart Helicopters Services   | <b>Drawing Name</b> : BLOWER MOTOR ASSEMBLY                |
| <b>Job Number</b> : 45053   |  |
| <b>Estimate Number</b> : 12509  |  |
| <b>P.O. Number</b> :  | <b>Part Number</b> : D206746043                            |
| <b>This Issue</b> : 21/01/2009 <b>S.O. No.</b> :  | <b>Drawing Number</b> : DSI9341 REV C                      |
| <b>Prsht Rev.</b> : NC  | <b>Project Number</b> : N/A                                |
| <b>First Issue</b> : / / <b>Type</b> : SMALL / MED FAB  | <b>Drawing Revision</b> : C                                |
| <b>Previous Run</b> : 42786B  | <b>Material</b> :  |
| <b>Written By</b> :   | <b>Due Date</b> : 28/01/2009 <b>Qty:</b> 2 <b>Um:</b> Each |
| <b>Checked &amp; Approved By</b> : <u>JUD 09.01.21</u>  |  |
| <b>Comment</b> :<br>: est rev A 06.08.21 New Issue EC<br>Est rev B 07.03.15 DSI 9341 Rev B KJ<br>Est Rev:C 08-02-12 change to rev.c DD verified by: |  |

## Additional Product

Job Number:



| Seq. #: | Machine Or Operation: | Description : |
|---------|-----------------------|---------------|
|---------|-----------------------|---------------|

|     |    |                  |
|-----|----|------------------|
| 1.0 | DC | DOCUMENT CONTROL |
|-----|----|------------------|



Comment: DOCUMENT CONTROL

Photocopy bluefile &amp; type labels per PPP D206-746-043 CHG 001

|     |          |                      |
|-----|----------|----------------------|
| 2.0 | D3471041 | Blower Motor Support |
|-----|----------|----------------------|



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

BLOWER MOTOR SUPPORT

Batch: B42905X1 / B48304 REVA

FF 09-06-08 (2)

|     |          |                      |
|-----|----------|----------------------|
| 3.0 | D3473041 | Blower Inlet Adapter |
|-----|----------|----------------------|



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

BLOWER INLET ADAPTER

Batch: B35108 / B37114

FF 09-06-08 (2)

|     |          |                      |
|-----|----------|----------------------|
| 4.0 | D3476041 | Blower Motor Adapter |
|-----|----------|----------------------|



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

blower motor adapter

Batch: B45185

FF 09-06-08 (2)

|     |          |                            |
|-----|----------|----------------------------|
| 5.0 | D3477041 | Blower Motor Inlet Adapter |
|-----|----------|----------------------------|



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

Blower Motor Inlet Adapter

Batch: B34390 B46218

FF 09-06-08 (2)

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

Date: Wednesday, 21/01/2009 3:23:43 PM  
User: Julie Dawson

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BLOWER MOTOR ASSEMBLY

Job Number: 45053

Part Number: D206746043

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

D35851

Set Screw



Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s)  
SET SCREW 315714

FF 09-06-08

(2)

7.0

D37421

Bearing



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)  
Bearing 2  
Batch: 36967

FF 09-06-08

(2)

8.0

26D71

Blower Motor



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)  
JANITROL BLOWER MOTOR ASSEMBLY 2  
Batch: M106882

FF 09-06-08

(2)

9.0

AN33A

Bolt



Comment: Qty.: 6.0000 Each(s)/Unit Total: 6.0000 Each(s)  
Bolt 12  
Batch: M111925

FF 09-06-08

(2)

10.0

AN96010

Washer



Comment: Qty.: 6.0000 Each(s)/Unit Total: 6.0000 Each(s)  
Washer 12  
Batch: M5519

FF 09-06-08

(2)

11.0

MS270390804

SCREW



Comment: Qty.: 3.0000 Each(s)/Unit Total: 3.0000 Each(s)  
SCREW M109752 6

FF 09-06-08

(2)

12.0

MS3533338

LOCK WASHER



Comment: Qty.: 3.0000 Each(s)/Unit Total: 3.0000 Each(s)  
LOCK WASHER M1070636

FF 09-08-08

(2)

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

Date: Wednesday, 21/01/2009 3:23:43 PM  
User: Julie Dawson

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BLOWER MOTOR ASSEMBLY

Job Number: 45053

Part Number: D206746043

Job Number:



Seq. #:

Machine Or Operation:

Description :

13.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

Change bearing - D3742-1 B Batch: 36967  
Assemble as per dwg DSI 9341

09-06-02

Center punch set-screw, then drill as per dwg.

Add locktite 262 to fan set screw batch: M110005

Secure using Lock Wire

A/R MS20995-025E LOCK WIRE

BATCH: M1101537

FF 09-06-08 (2)

14.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

09/06/02 (2)

15.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D206-746-043

Location:

PPP Rev:

57162

09/06/09 2

16.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

09/06/09 MF

Job Completion



MF 09-06-09

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                                |                                 |                |                           |                       |                          |
|------|------|----------------------------------|--------------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action<br>Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng           | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                                |                                 |                |                           |                       |                          |
|      |      |                                  |                                |                                 |                |                           |                       |                          |
|      |      |                                  |                                |                                 |                |                           |                       |                          |

NOTE: Date & initial all entries

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D206-746 REV. A  
 REF. CANADIAN STC: SH05-45 ISSUE 1  
 FAA STC: SH3367NM DATED OCT. 13, 2005

The Parts List of Installation Instructions IIN-D206-746 Rev. A should be amended as follows:

| Qty<br>-011 | Qty<br>-041 | Qty<br>-043 | Part Number   | Description                               |
|-------------|-------------|-------------|---------------|---|
| X           |             |             | D206-746-011  | SHROUD AIRFLOW HEATER SYSTEM              |
| 1           | X           |             | D206-746-041  | REAR OVERHEAD PASSENGER MODIFICATION KIT  |
| 1           |             | X           | D206-746-043  | BLOWER MOTOR ASSEMBLY                     |
|             |             | 1           | D3471-041     | BLOWER MOTOR SUPPORT (CAM-1984-008)       |
|             |             | 1           | D3473-041     | BLOWER INLET ADAPTER (CAM-1984-013)       |
|             |             | 1           | D3476-041     | BLOWER MOTOR ADAPTER (CAM-1984-014)       |
|             |             | 1           | D3477-041     | BLOWER MOTOR INLET ADAPTER (CAM-1984-015) |
|             |             | 2           | D3585-1       | SET SCREW                                 |
|             |             | 2           | D3742-1       | BEARING                                   |
|             |             | A/R         | 26221         | LOCTITE 226 THREADLOCKER                  |
|             |             | 1           | 26D71         | BLOWER MOTOR (26D71-1)                    |
|             |             | 6           | AN3-3A        | BOLT                                      |
|             |             | 6           | AN960-10      | WASHER                                    |
|             |             | 3           | MS27039-08-04 | MACHINE SCREW                             |
|             |             | 3           | MS35333-38    | LOCK WASHER                               |
|             |             | A/R         | MS20995-025E  | LOCK WIRE                                 |

Furthermore, any mention of "Blower Motor Assembly" appearing in Installation Instructions IIN-D206-746 Rev. A, and Installation Drawing D206-746 Rev. A, should be replaced by D206-746-043 Blower Motor Assembly.

For assembly instructions of D206-746-043 Blower Motor Assembly, refer to page 2 of this DSI.

SHOP COPY  
 RETURN TO  
 ENGINEERING  
 UNCONTROLLED COPY  
 SUBJECT TO AMENDMENT  
 WITHOUT NOTICE  
 WORK ORDER  
 NO. 45053

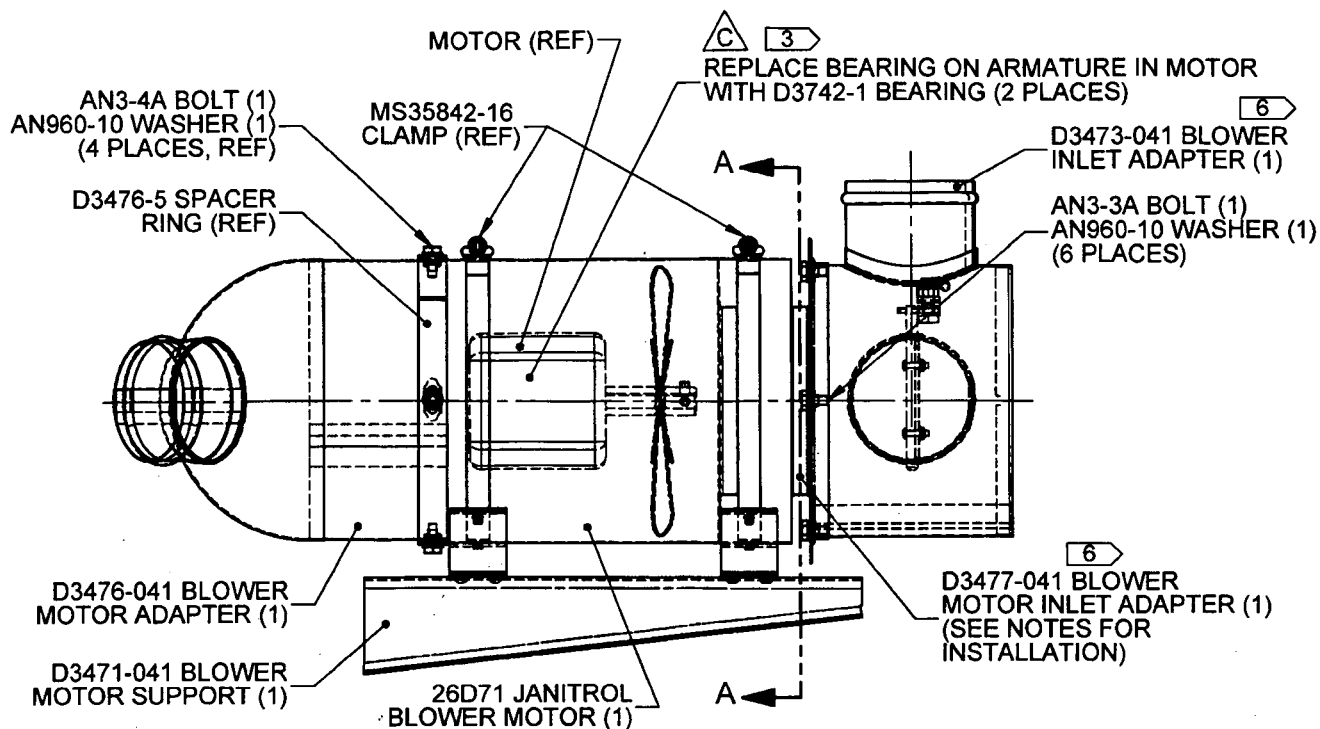
CANADA  
 DEPARTMENT OF TRANSPORT  
 AIRCRAFT CERTIFICATION  
 BRANCH  
 DAO # 01-O-01

**APPROVED**

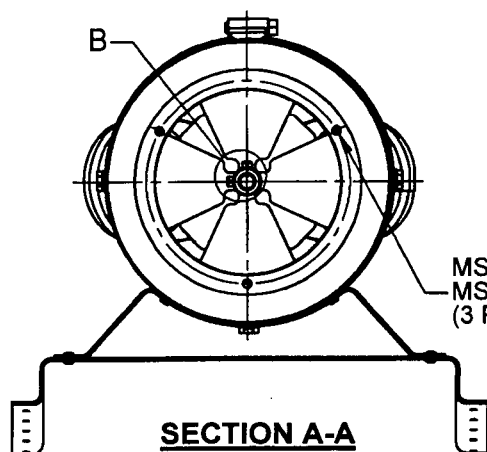
BY: [Signature]  
 D. SHEPHERD (DE # 02)

DATE: 08.01.20  
 CERT. NO.: SH05-45  
 ISSUE NO.: 1

|            |                                    |   |              |
|------------|------------------------------------|---|--------------|
| C          | ADD D3742-1 BEARING; UPDATE FORMAT | PH  | 08.01.20     |
| B          | ADD D3585-1 & DETAIL B             | MB  | 07.01.02     |
| A          | NEW ISSUE                          | MB  | 06.08.09     |
| REV.       | DESCRIPTION                        | BY  | DATE         |
| DESIGN     |                                    | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA  |              |
| DRAWN      |                                    |   |              |
| CHECKED    |                                    | DRAWING NO.   | REV. C       |
| MFG. APPR. |                                    | DSI 9341  | SHEET 1 OF 2 |
| APPROVED   |                                    | TITLE   | SCALE        |
| DE APPR.   |                                    | BLOWER MOTOR ASSEMBLY   | NTS          |
| DATE       | 08.01.20                           | COPYRIGHT © 2006 BY DART AEROSPACE LTD<br><small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> |              |

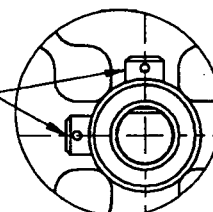


### D206-746-043 BLOWER MOTOR ASSEMBLY



262 12 09.08.02  
 4  
 REPLACE EXISTING SET SCREWS WITH D3585-1 SET SCREWS (2), APPLY LOCTITE 242, TORQUE TO 50-70 in-lbs (5.6-7.9 N-m) AND SECURE USING MS20995-025E LOCK WIRE

1  
 MS27039-08-04 MACHINE SCREW (1)  
 MS35333-38 LOCK WASHER (1) (3 PLACES)



DETAIL B  
 SCALE 1:1  
 3.00.00.01

RETURN TO  
 ENGINEERING  
 UNCONTROLLED COPY  
 SUBJECT TO AMENDMENT

WITHOUT NOTICE  
 WORK ORDER

NO. 45053

#### INSTALLATION NOTES:

- 1) ON 26D71 BLOWER MOTOR, REMOVE EXISTING MACHINE SCREWS (3), LOCK WASHERS (3) AND EXISTING ADAPTER (1).
- 2) REMOVE MOTOR AND RETAIN HARDWARE
- 3) REPLACE BEARINGS WITH D3742-1 BEARINGS (2 PLACES) C
- 4) REPLACE SET SCREWS WITH D3585-1 SET SCREWS (2 PLACES)
- 5) RE-INSTALL MOTOR WITH HARDWARE REMOVED AT STEP 2
- 6) REPLACE ADAPTER WITH D3477-041 BLOWER INLET ADAPTER. USE HARDWARE REMOVED AT STEP 1 TO SECURE D3473-041/D3477-041 BLOWER INLET ADAPTER TO 26D71 JANITROL BLOWER MOTOR.
- 7) D206-746-043 IS SUPPLIED TO CUSTOMER PRE-ASSEMBLED

CANADA  
 DEPARTMENT OF TRANSPORT  
 AIRCRAFT CERTIFICATION  
 BRANCH  
 DAO # 01-O-01

APPROVED

BY: *[Signature]*  
 D. SHEPHERD (DE # 02)

DATE: 08.01.20  
 CERT. NO.: SH05-45  
 ISSUE NO.: 1

|  |          |  |              |
|--|----------|--|--------------|
| DESIGN   |          | <b>DART AEROSPACE LTD</b>              |              |
| DRAWN  | PH       | HAWKESBURY, ONTARIO, CANADA            |              |
| CHECKED  |          | DRAWING NO.                            | REV. C       |
| MFG. APPR.   | EE       | DSI 9341                               | SHEET 2 OF 2 |
| APPROVED   |          | TITLE                                  | SCALE        |
| DE APPR.   |          | BLOWER MOTOR ASSEMBLY                  | 1:4          |
| DATE   | 08.01.20 | COPYRIGHT © 2006 BY DART AEROSPACE LTD |              |
| THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT |          |  |              |